

# Receiving Report

Date: 15-05-22  
 Supplier: East Coast

Batch No: 132344  
 Dart P/O: 28482

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☒ No ☐  
 Receipt: Cash ☐ Cr ☒  
 New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☒ No ☐  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC18 Inspection ☐ N/A ☒  
 Work Order ☐ N/A ☒

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

SP

Production/Admin:

Date

Received/Costing

Initial

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Location

\_\_\_\_\_

East C  
CERT



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID **PO28489**

Purchase Order Date 5/14/2015

PO Print Date 5/14/2015

Page Number 1 of 5

## Bill To:

DART AI  
ACCTS. I  
1270 ABE  
HAWKE

## Order From :

VU-EC001

EAST COAST AVIATION SUPPLIES, INC.  
399 EAST DRIVE  
MELBOURNE, FLORIDA 32904  
USA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

132344

## Contact Name

Vendor Phone 1-321-727-0047

## Buyer

Chantal Lavoie

## Customer POID

Customer Tax # 10127-2607

## Ship To Contact

## Ship To Phone

## Terms

Net 30

## Ship Via:

FedEx Overnight collect

## Currency

USD

## Ship Acct:

## FOB

FCA - (Free Carrier)

## Part No.

AN310C4

MFR: GREEF

LOT: 050212

AN3-35A

MFR: AFC

LOT: 12895

AN4-51A

MFR: AFC

LOT: 14474

AN4C13A

MFR: AFC

LOT: 22449

AN6H12A

MFR: AFC

LOT: 13701

CR3212-4-06

MFR: CHERR

LOT: 8800485

MS21209F1-

MFR: KATO

LOT: C24284

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	AN310C4	Nut	5/15/2015 Yes 5/15/2015		50.00 ✓ Each	\$1.05	\$52.50
Line Total:							\$52.50
2	AN3-35A	Bolt	5/15/2015 FN Yes 5/15/2015		50.00 ✓ Each	\$0.58	\$29.00
Line Total:							\$29.00
3	AN4-51A	Bolt	5/15/2015 FN Yes 5/15/2015		50.00 ✓ Each	\$3.10	\$155.00

SP 15-05-22

We hereby  
to all appl  
rejected b  
value. Su

Signed:

For and on

Note:

5/14/2015

**GREER STOP NUT**

Greer Stop Nut  
481 McNally Drive  
Nashville, TN 37211

Phone: 615-832-8375  
Fax: 615-331-5070  
E-mail: greer@spstech.com

## CERTIFICATE OF CONFORMANCE

Date of Certification: JUNE 28, 2013

Sold To: Blid Industries

800 Clearwater Loop

Post Falls, ID

86854

Purchase Order No: 79263

Customer Part No: AN310C4 Rev. 10 & NASM310 Rev. 1

Item No: 001

Greer Part No: L79SC310-0428

Nomenclature: Nut, Plain, Castellated

Lot No/Serial No: 0502120-23R (Ref. 0502120-230)

Qty. Manufactured: 9,947

Qty. Shipped: 9,561

Manufacturing Date: 2-28-13

Material: 303 s/s Material Specification: AMS 5640 U / ASTM-A582-05

Material Supplier: CARPENTER

Mill Heat No: 742366

Greer Steel Date: JD686J

Procurement Spec: FF-N-836E

Threads: MIL-S-7742 Rev. D Am. 1

Proof Load: 4,080 lbs.

Tested To: 4,080 lbs.

Sample Size: 4

Non-Destructive Testing: Liquid Penetrant

Spec: ASTM E1417-11E1

Sample Size: 29

Fluorescent Penetrant Inspection in accordance with PT2000 Rev. 19 DTD 5/31/12 as modified by PT69811 Rev. 13 DTD 6/25/12,

Surface Finish: Passivate

Specification: AMS-2700 Mth. 1, CL 4, Rev. E

The products identified on this certificate have been manufactured, tested and inspected in accordance with, and unless noted above, conforms in all respects to the applicable drawings, specifications and/or standards. Complete reports of physical and chemical tests are on file for on-site examination. If no specified customer quality level is required, goods conform to seller's quality level. Reproduction except in full is strictly prohibited without written approval of Greer Stop Nut. All damages exceeding price are excluded. Mercury free clause: We certify that no possibility exists for mercury contamination to occur during manufacture, assembly or testing of parts on this contract. This document relates only to the items tested. Parts were manufactured in the United States of America. Sample plans are carried out to current standard/specification revision.

Product is compliant to DFARS 252.225-7014 ALT 1.

Q and Green Nylon are Trademarks of Greer Stop Nut

Fran Glover  
Quality Assurance Coordinator

CERTIFICATE OF TESTS  
CERT SERIAL# 000804764

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE



**CARPENTER**

Carpenter Technology Corporation  
101 West Bern Street, Reading, Pa. 19601  
Tel: (610) 208-2000 (300) 338-4592

- THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47.
- THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.
- MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM, ALPHA AND BETA SOURCE CONTAMINATION.
- THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

10/03/12

CUSTOMER/BESTELLER/CLIENT

GREER STOP NUT INC  
QUALITY DEPARTMENT  
481 MC NALLY DRIVE  
NASHVILLE, TN 37211

RECEIVED  
10/3/12

SELLER/VERKÄUFER/VENDEUR PAGE 1 OF 2

CARPENTER TECHNOLOGY CORP

101 W. BERN STREET  
READING, PA 19601

CUSTOMER ORDER NO./BESTELL-NR./N° DE COMMANDE	CARPENTER NO./WERKS-NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
0012178090	PHL844902 L39916	10/03/12	668.000

HEAT NUMBER/SCHMELZE-NR./N° DE COULEE: 742366

PRODUCT DESCRIPTION: CARPENTER STAINLESS TYPE 303 ANNEALED COLD DRAWN  
PART NUMBER: OR25043

SPECIFICATION: ASTM-A582-05 CONDITION A  
GREER MS 250 REV 12 (12/05/02)  
AMS 5640 TYPE 1 REV U (10/07/07)  
SPS SPS-M-285 REV H (08/06/97) EXCPT LTR (03/28/07) APPROVED  
ASTM-A194-11 GR. 8F/8FA CHEM ONLY

SIZE 0.434000 IN. (11.02 MM) HEX BAR

PRIMARY HEAT CHEMISTRY(WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

C (COM)	MN(XRF)	SI(XRF)	P (XRF)	S (COM)	CR(XRF)
0.07	1.76	0.56	0.03	0.32	17.18
NI(XRF)	MO(XRF)	CU(XRF)			
6.53	0.36	0.45			

SOLUTION ANNEALED TO PROVIDE A MICROSTRUCTURE FREE FROM CONTINUOUS GRAIN BOUNDARY CARBIDE PRECIPITATION (NETWORK).

THIS MATERIAL CONFORMS TO THE TECHNICAL REQUIREMENTS OF THE AMS SPECIFICATION REFERENCED ABOVE.

DISCS MACROETCHED AND APPROVED

MAGNETIC PERMEABILITY <2.00

HARDNESS AS SHIPPED: 219HBW ( 95HRCW)

(T)RANSVERSE (L)ONGITUDINAL	
YIELD STRENGTH (0.20 %) KSI(MPA)	79.5( 548)
TENSILE STRENGTH, KSI(MPA)	102.0( 703)
ELONGATION IN 1.72" 2"	34.0
ACTUAL SPECIMEN SIZE .431"	

MATERIAL HAS BEEN MELTED AND MANUFACTURED IN THE USA WHICH IS A QUALIFYING COUNTRY TO DFARS REQUIREMENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872.1, SUPERSEDED BY DFARS REQUIREMENTS DFARS 252.225-7008 AND 252.225-7009.

CONTINUED ON NEXT PAGE

This certification is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties.  
Die vorliegende Zertifizierung ist nur für den in diesem Formular genannten Kunden gültig. Carpenter übernimmt gegenüber Dritten keinerlei Haftung für die angegebenen Daten oder Zertifizierungen.  
Ce certificat est uniquement valable pour le client dont le nom est imprimé sur ce formulaire. Carpenter d'assume pas de responsabilité pour une certification vis-à-vis d'une tierce personne.

CERTIFICATE OF TESTS  
CERT SERIAL# 000804764

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE



**CARPENTER**

Carpenter Technology Corporation  
101 West Bern Street, Reading, Pa. 19601  
Tel: (610) 208-2000 (800) 338-4592

10/03/12

CUSTOMER / BESTELLER / CLIENT

GREER STOP NUT INC  
QUALITY DEPARTMENT  
481 MC NALLY DRIVE  
NASHVILLE, TN 37211

SELLER / VERKÄUFER / VENDOR PAGE 2 OF 2

CARPENTER TECHNOLOGY CORP

101 W. BERN STREET  
READING, PA 19601

CUSTOMER ORDER NO. / BESTELL-NR. / N° DE COMMANDE	CARPENTER NO. / MERCE-NR. / N° DE REFERENCE INTERNE	DATE / DATUM / DATE	WEIGHT / GEMICHT / POIDS
0012178090	PHL844902 L39916	10/03/12	668.000

HEAT NUMBER / SCHMELZ-NR. / N° DE COULEE: 742366  
CARPENTER'S QUALITY MANAGEMENT SYSTEM WAS REGISTERED AS OF NOVEMBER 24, 2010 TO THE REQUIREMENTS OF ISO 9001:2008 APPROVAL CERTIFICATE 10-1385R BY PERFORMANCE REVIEW INSTITUTE. CERTIFICATE OF TEST IS PREPARED IN ACCORDANCE WITH PARAGRAPH 3.1 OF EN 10204 (DIN 50049). WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE IN ACCORDANCE WITH THE PURCHASE ORDER AND SPECIFICATION REQUIREMENTS, AS DOCUMENTED IN THIS CERTIFICATE OF TESTS.

TEST METHODS ARE PER THE ASTM STANDARDS ON FILE AND IN EFFECT AT TIME OF ORDER ACCEPTANCE, STANDARD PRACTICES, OR AS AGREED UPON BETWEEN CARPENTER & CUSTOMER.

DAISY L TALBOT  
ADMINISTRATOR - QUALITY  
CARPENTER TECHNOLOGY CORPORATION

OR25043

*Daisy Talbot*

This certification is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties.  
Die vorliegende Zertifizierung ist nur für den in diesem Formular genannten Kunden gültig. Carpenter übernimmt gegenüber Dritten keine Haftung für die angegebenen Daten oder Zertifizierungen.  
Ce certificat est uniquement valable pour le client dont le nom est mentionné sur ce formulaire. Carpenter n'autorise pas de responsabilité pour une certification vis-à-vis d'une tierce personne.




**2655 HARRISON AVE. SW  
CANTON, OH 44706  
PHONE: (330)430-6190  
FAX: (330)430-6199**

## **CERTIFICATE OF CONFORMANCE**

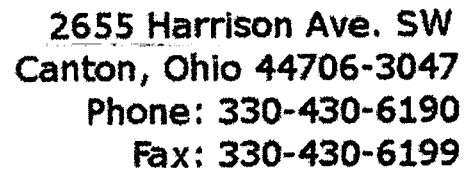
## EAST COAST AVIATION

I Hereby Certify that on 2/21/13 Airfasco Industries provided the supplies called for by Contract/ PO Number **65701** in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States. DFAR 252.225-7014 ALT 1 compliant in fastener base raw material melt source only, with heat number and country, does not include the post cadmium metal plating.

  
WM. DENT

**Quality Assurance Representative**

[illegible]



## EAST COAST AVIATION

**Quality Assurance Representative**

**WM. DENT**

[illegible]



# AIRFASCO

## INDUSTRIES

MANUFACTURER OF AEROSPACE PRODUCTS

2655 HARRISON AVE. SW  
CANTON, OH 44706  
PHONE: (330)430-6190  
FAX: (330)430-6199

### PHYSICAL AND CHEMICAL CERTIFICATION

DATE MFG.: 08/03/07

PART NO.: AN4-51A per NASM4-51A rev. 1

AFC LOT NO.: 14474

QTY MFG.: 19,973

PROCUREMENT SPECIFICATION: Produced per NASM 6812 rev. 2

### HEAT TREAT

VENDOR: Brite Metal

CERTIFICATION NO.: B-135362

PROCUREMENT SPECIFICATION: Heat Treat per MIL-H-6875 H

### PLATING

VENDOR: Beringer Plating

CERTIFICATION NO.: 45271

PROCUREMENT SPECIFICATION: Cadmium Plate per QQ-P-416, Type II, Class 2,F

### MATERIAL

MILL: Ivaco

COUNTRY OF MELT: Canada

HEAT: A85463

GRADE SPECIFICATION: Alloy Steel per AMS 6300 E, Type 4037, .275"

4037 MATERIAL CHEMISTRY											
ELEMENT-ID.	-C-	-MN-	-P-	-S-	-SI-	-NI-	-CR-	-MO-	-CU-	-AL-	Other
LADLE	.370	.790	.010	.008	.210	.030	.090	.219	.090	.005	

PHYSICAL PROPERTIES				
PHYSICAL	TENSILE	YIELD	SHEAR	HARDNESS
REQUIRED	4,080 lbs.	3,130 lbs.	3,680 lbs.	HRC 26-32
ACTUAL	5,316 lbs.	4,777 lbs.	4,240 lbs.	HRC 29-31

We hereby certify that the above data is correct and that the fasteners have been manufactured and inspected in accordance with Airfasco Industries quality requirements.

Airfasco Industries

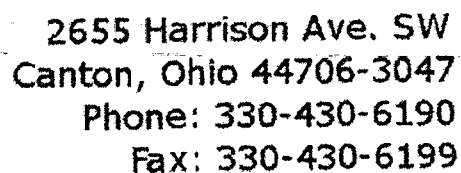
Quality Assurance Representative:

  
T. West

AIRFASCO INDUSTRIES QUALITY CONTROL FORM 1011B

C1F4-0





## EAST COAST AVIATION

**Quality Assurance Representative**

**WM. DENT**

[illegible]



2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

**PHYSICAL AND CHEMICAL CERTIFICATION**

DATE MFG.: 11/06/14 PART NO.: AN4C13A per NASM4C13AA rev.1

AFC LOT NO.: 22449 QTY MFG.: 26,989

PROCUREMENT SPECIFICATION: Produced per NASM 6812

**HEAT TREAT**

VENDOR: Bodycote CERTIFICATION NO.: 38-21248 (16091)

PROCUREMENT SPECIFICATION: Heat Treat per MIL-H-6875 H

**PLATING**

VENDOR: AFC CERTIFICATION NO.: 14-22449

PROCUREMENT SPECIFICATION: Passivate per AMS 2700, Method 2, QQ-P-35

**MATERIAL**

MILL: Carpenter COUNTRY OF MELT: USA HEAT: 553761

GRADE SPECIFICATION: Stainless Steel per MIL-S-18732, AMS 5628 F, Type 431 SS, .243"

**431 SS MATERIAL CHEMISTRY**

ELEMENT-ID.	-C-	-MN-	-P-	-S-	-SI-	-NI-	-CR-	-MO-	-CU-	-Other-	Other
LADLE	.170	.740	.015	.001	.490	1.56	16.05	.090	.040		

**PHYSICAL PROPERTIES**

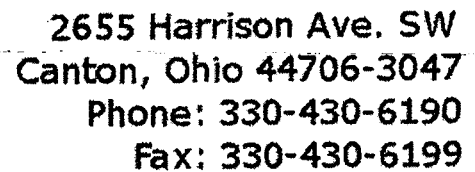
PHYSICAL	TENSILE	YIELD	SHEAR	HARDNESS
REQUIRED	4,080 lbs.	3,130 lbs.	3,680 lbs.	HRC 26-32
ACTUAL	5,975 lbs.	5,010 lbs.	4,122 lbs.	HRC 30-31

We hereby certify that the above data is correct and that the fasteners have been manufactured and inspected in accordance with Airfasco Industries quality requirements.

Airfasco Industries

Quality Assurance Representative:

T. West

[illegible]

**CHERRY AEROSPACE**

OASIS Member Since 1998

1224 East Warner Avenue  
Santa Ana, CA 92707-0157

Accredited

**Nadcap**Chemical Processing  
Heat Treating  
ISO/IEC 17025  
Material Testing Lab**Final Inspection & Test Report**  
**CherryMax® Rivet****An ISO9001 and AS9100 registered company. OASIS #8111041606**

Part Numbers	Rev	Proc. Spec.	Rev	Lot I.D. No.: <b>88004897</b>
CR3212PR-4-06	AE	PS-CMR-3000	R	
CR3212-4-06	AE	PS-CMR-3000	R	
** See 2nd Page for the Customer Parts				Lot Size: <b>30,000</b>
				MFG. Date: <b>October 24, 2014</b>

**ASSEMBLY DATA**

TYPE	ID #	CERT #	MATERIAL	FINISH	LUBE
Rivet	87890405	A74841	QQ-A-430/5056	MIL-C-5541 CLEAR CL1A	None
Stem	87966974	A74941	AMS6322 / 8740ST	QQ-P-416/T2CL2/CAD PL	None
Collar	00000000	A74493	A-286 / AMS 5731, 5737	Passivate per AMS2700	None

W.O. #: 5560725

Final Lube: None

**QUALITY CONFORMANCE/ACCEPTANCE RESULTS**

MIN REQ'D SAMPLE SIZE SPECS	INSTALLED SHEAR		TENSION		SPINDLE RETENTION		DISASSEMBLY
	664		285		125		10
	8	N/A	8	N/A	8	N/A	5
	C-N-M	B	C-N-M	B	C-N-M	B	C-N-M
RESULTS  C=CR N=NAS M=MIL B=BAC LOAD VALUES IN POUND	970		351		222		25
	912		342		222		22
	986		347		218		60
	961		345		215		23
	977		352		246		47
	982		346		241		
	1005		352		237		
	959		353		253		

PCS.	ITEM	STATUS	PCS.	ITEM	STATUS
20	EXAMINATION	PASS	20	INSTALLATION (Min and Max Grips)	PASS

**Comments:**

Blind Fastener

Tr. Rev.	-	Q Code
Rev. Date:	10/24/2014	V09
Inspector	D Rice	

The parts contained in this shipment have been manufactured and inspected in accordance with TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Fasteners of similar dimensional properties may have widely varying performance and metallurgical properties. Substitution of parts may only be done if acceptable to or approved by the Administrator.

This test report shall not be reproduced except in full, without the written approval of the laboratory.  
The recording of false, fictitious, or fraudulent statement or entries on the certificate may be punished as a felony under Federal law.

# KATO FASTENING SYSTEMS - PACKING TICKET & CERTIFICATE OF COMPLIANCE

CUSTOMER CODE C1140

PAGE 1

DELIVERY TICKET

BILL TO Aircraft Fasteners International, LLC

SHIP TO Aircraft Fasteners International, LLC

PO Box 66249

13402 Beach Ave.

Los Angeles CA 90066-0249  
USA

Marina Del Rey CA 92092  
USA

011119



DELIVERED DEC 17 2014

LOT# C24284

CUSTOMER PO # / REFERENCE #	REQUESTED DATE	KATO SALES ORDER #	DELIVERY TICKET #	DELIVERY TICKET DATE
84685	11/11/14	83552	84212	12/10/14

LINE	ITEM NO. DESCRIPTION	ITEM GROUP ITEM TYPE	SHIPPING METHOD	QTY SHIPPED	UoM
1	TLF-3C-0190 MS21209F1-10, INSERT, TANGED, 10-32 X 1 D, BULK	CoilThread Inserts	UPS Ground Collect	18,000	Each

KATO Fastening Systems certifies that all CoilThread Inserts supplied on the above purchase order have met all inspection requirements set forth by KATO Fastening Systems, and comply to all chemical and physical specifications.

CoilThread inserts and tools are in conformance with the following Military and Aerospace Standards: NASM122076-122275 Rev 1 & NASM124651-124850 Rev 1 (formerly MS21208), NASM21209 Rev 3, NASM33537 Rev 2, NASM8846 Rev 1, A-A-59158 (Rev Jan 1998), MA3279 Rev B, MA3280 Rev B, MA3281 Rev B, MA3329 Rev C, MA3330 Rev C, MA3331 Rev C, MA1565 Rev B, MA1567 Rev B, and AS7245 Rev A.

Tangless CoilThread Inserts are in conformance with NAS1130 Rev 5, NA0276 Rev 3, and NASM8846. KATO Tangless CoilThread tools conform to all KATO design specifications.

Dry Film Lubricated Inserts comply with Aerospace Standard AS5272 Rev E, Type I (formerly MIL-L-46010). Cadmium Plated inserts comply to AMS-QQ-P-416C (formerly QQ-P-416). Silver Plated Inserts comply to Aerospace Specification AMS2411.

DFARS Compliance: All KATO CoilThread inserts are DFARS compliant with the exception of M2 Tangless inserts. KATO Tangless and tanged CoilThread inserts are manufactured in the UK. The UK is listed in section 225.872-1 as a Qualified Country.

RoHS Compliance: KATO Fastening Systems does not use lead, mercury, cadmium, hexavalent chromium, PBB or PBDE in the manufacturing of Tangless and tanged CoilThread inserts and tools. Cadmium plating is offered as an optional process in accordance to AMS-QQ-P-416B. Inserts with Cadmium plating are identified with a "Y" at the end of the KATO part number, a "P" at the end of the MS/NAS number, and the description will indicate Cadmium plating.

ODS Compliance: KATO Fastening Systems does not use Ozone Depleting Substances (ODS) in the manufacturing of Tangless and tanged CoilThread inserts and tools.

Country of Origin: KATO CoilThread Inserts are manufactured in the UK, with the exception of the new M2 Tangless inserts which are manufactured in Japan. Inserts manufactured prior to 1995 were made in Japan or Singapore (tanged only). KATO-Kits are made in the USA, Hexatorq Hinges are made in Japan. All KATO tanged tools are manufactured in the USA. All KATO Tangless tools are manufactured in the USA with the exception of the CT16002-M series & 2C/3B-M series which are manufactured in Japan.

CoilThread Insert chemical and physical test reports, certifications, and other documents are on file and available for an additional charge.

CAGE CODE: 0YC40 | ECCN: EAR99 | Export License: NLR | SIC: 3452 | NAICS: 33272 | Schedule B: 8207907570 | Harmonized Tariff Schedule (HTS): 8803.30.0060 for CoilThread Inserts, 8467.11.5090 for CoilThread Air Tools, 8467.29.0090 for CoilThread Electric Tools, 8467.89.5090 for CoilThread Hand Tools, 8207.40.6000 for STI Taps, 9027.80.8060 for STI Gages, 8803.30.0060 for Hexatorq Hinges

Chem/Phys Included: ☒ Yes ☐ No

Quality Assurance Representative:

Cindy Slominski

## REMARKS:

84685 Based On Sales Orders 83552.

11864 FISHING POINT DRIVE, NEWPORT NEWS, VA 23606  
PHONE: (757) 873-8980, FAX: (757) 873-4920, WEB: WWW.KATONET.COM

REV 070114

# KATO FASTENING SYSTEMS - PACKING TICKET & CERTIFICATE OF COMPLIANCE

Date 12/10/14

KATO LOT NUMBER DELIVERY REPORT

Delivery 84212

Customer PO No. 84685

**Bill To** Aircraft Fasteners International, LLC  
PO Box 66249

Los Angeles CA 90066-0249  
USA

**Ship To** Aircraft Fasteners International, LLC  
13402 Beach Ave.

Marina Del Rey CA 92092  
USA

Line #	Item No.	Description	Qty Shipped	UoM
1	TLF-3C-0190	MS21209F1-10, INSERT, TANGED, 10-32 X 1 D, BULK	18,000	Each
Lot Number(s)		Lot Qty	011118	
C24284		17,000		
C24623		1,000		



# UMPCO, INC.

**MANUFACTURE OF CLAMPS, CLIPS & BRACKETS**  
7100 LAMPSON AVENUE P.O. BOX 5158 GARDEN GROVE, CA 92846-5158 714-897-3531  
**WWW.UMPCO.COM**

Customer No.

EAS002

Sales Order NO

376238



\*\*\* THIS IS A BACKORDER \*\*\*

**SOLD TO**

EAST COAST AVIATION  
ECAS INC  
399 EAST DRIVE  
MELBOURNE, FL 32904

**SHIPPING DEST CODE**

**SHIP TO**

EAST COAST AVIATION  
ECAS INC  
399 EAST DRIVE  
MELBOURNE, FL 32904

CLAIMS FOR ERRORS AND ALL DEDUCTIONS MUST BE MADE WITHIN 5 DAYS OF RECEIPT OF INVOICE 1 1/2% SVC. PER MO. CHARGED ON ALL PAST DUE AMOUNTS

<b>ORDER DATE</b>	<b>SHIP VIA</b>	<b>F.O.B.</b>	<b>TERMS</b>	<b>SHIPPING DATE</b>
08/23/12	FEDX FREIGHT	COLLECT	1/2 % 10 NET 30	10/02/12
<b>PURCHASE ORDER NUMBER</b>	<b>ORDER DATE</b>	<b>CONTACT</b>	<b>SALESPERSON</b>	<b>BILL OF LADING NUMBER</b>
63436	08/23/12		08	2735966144

ITEM	ON ORDER	QUAN.	SHIPPED	QUAN.	BO	DESCRIPTION	
1	10000	10000				MS21919WDG16	10/12/12 Y
						REV E	
						Lot#: UMP87892A 2Q12	Qty: 9900 IR Numbers: 178542,179433,179473,179556
						Lot#: UMP87892A 2Q12	Qty: 100 IR Numbers: 178542,179433,179473,179556
2	2500	2500				MS21919WDG17	09/28/12 N
						REV E	
						Lot#: UMP87650 2Q12	Qty: 2400 IR Numbers: 178543,179209,179255,178974
						Lot#: UMP87650 2Q12	Qty: 100 IR Numbers: 178543,179209,179255,178974
3	5000	5000				MS21919WDG19	09/28/12 N
						REV E	
						Lot#: UMP88223 2Q12	Qty: 100 IR Numbers: 178578,179411,179421,178975
						Lot#: UMP83423 4Q11	Qty: 700 IR Numbers: 176682,177553,177596,177289
						Lot#: UMP88453 2Q12	Qty: 700 IR Numbers: 178578,179630,179648,179467
						Lot#: UMP88223 2Q12	Qty: 3500 IR Numbers: 178578,179411,179421,178975

**CERTIFICATE OF CONFORMANCE**

Page 1

Printed: 10/01/12 08:24:30

TOTAL CARTONS  
FEDX FREIGHT 415047517

(Continued)

TOTAL WEIGHT

**PURCHASE ORDER NUMBER**



**CUSTOMER NO.**



**SALES ORDER NO.**



A WRITTEN RETURN MATERIAL AUTHORIZATION FORM (RMA) MUST BE OBTAINED FROM UMPCO BEFORE RETURNING ANY MATERIALS FOR CREDIT OR REPLACEMENT.  
WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTION 6, 7 & 12 OF THE FAIR LABOR STANDARDS ACT, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14 THEREOF.  
UMPCO certifies that parts shipped on above documents conforms in all respects to applicable specifications and/or standards. Complete physical and chemical test reports as required are on file and available for review. Processing product testing and inspection control of raw material shall be in conformance with all applicable specifications, drawings and/or standards. Products are produced in a mercury free environment. When applicable to DFAR 252-225-7009

UMPCO, INC. 7100 Lampson Ave.  
Garden Grove, CA 92841

*Francisco Camacho*  
Authorized Signature Final Inspector

DELIVERY RECEIPT NO. 376238



# UMPCO, INC.

**MANUFACTURE OF CLAMPS, CLIPS & BRACKETS**  
7100 LAMPSON AVENUE P.O. BOX 5158 GARDEN GROVE, CA 92846-5158 714-897-3531  
**WWW.UMPCO.COM**

Customer NO.

EAS002

Sales Order NO.

400193



\*\*\* THIS IS A REPRINTED ORDER \*\*\*

SHIPPING DEST CODE

**SOLD TO**  
EAST COAST AVIATION  
ECAS INC  
399 EAST DRIVE  
MELBOURNE, FL 32904

**SHIP TO**  
EAST COAST AVIATION  
ECAS INC  
399 EAST DRIVE  
MELBOURNE, FL 32904

CLAIMS FOR ERRORS AND ALL DEDUCTIONS MUST BE MADE WITHIN 5 DAYS OF RECEIPT OF INVOICE 1 1/2% SVC. PER MO. CHARGED ON ALL PAST DUE AMOUNTS

ORDER DATE	SHIP VIA	F.O.B.	TERMS	SHIPPING DATE
06/27/14	UPS	COLLECT	1/2 % 10 NET 30	

PURCHASE ORDER NUMBER	ORDER DATE	CONTACT	SALESPERSON	BILL OF LADING NUMBER
71663	06/27/14		08	

ITEM	ON ORDER	QUAN.	SHIPPED	QUAN. BO	DESCRIPTION	
1	25000	0			MS21919WDG7 REV E	08/19/14 Y
2	1	0			FULL_TEST_RPTS	08/19/14 S/C Y
3	5000	5000			MS21919WDG9 REV E	08/05/14 Y



Lot#: UMP100322 2Q14 Qty: 1200 IR Numbers: 183453,183997,184016,183893  
Lot#: UMP100322 2Q14 Qty: 3800 IR Numbers: 183453,183997,184016,183893



4 1 *MT* FULL\_TEST\_RPTS 08/05/14 S/C N

UPS ACCT NO. 3165E0.

## CERTIFICATE OF CONFORMANCE

Page 1

Printed: 07/29/14 14:19:04

TOTAL CARTONS **3**  
UPS 3165E0

TOTAL WEIGHT **77**

PURCHASE ORDER NUMBER



CUSTOMER NO.



SALES ORDER NO.



A WRITTEN RETURN MATERIAL AUTHORIZATION FORM (RMA) MUST BE OBTAINED FROM UMPCO BEFORE RETURNING ANY MATERIALS FOR CREDIT OR REPLACEMENT.  
"WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTION 6, 7 & 12 OF THE FAIR LABOR STANDARDS ACT, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14 THEREOF."  
UMPCO certifies that parts shipped on above documents conforms in all respects to applicable specifications and/or standards. Complete physical and chemical test reports as required are on file and available for review. Processing product testing and inspection control of raw material shall be in conformance with all applicable specifications, drawings and/or standards. Products are produced in a mercury free environment. "When applicable, materials are compliant to DFARS 252.225-7009."

UMPCO, INC. 7100 Lampson Ave.  
Garden Grove, CA 92841

*Jose*  
Authorized Signature Final Inspector

DELIVERY RECEIPT NO. 400193



# CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From:

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and met the mechanical properties shown on the face of this report.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Pec

*Rob Woodall*

Rob Woodall  
Director of Manufacturing Davenport Works

*Terence Thom*

Terence Thom  
Quality Assurance Manager

Ship Date	B.I. No.	Invoice No.	Alcoa No. Item	
2014-03-26	9142303	00008	1000577299-1	DP-77299-01-1
P.O. No./Govt Contract No.	Customer	Alcoa Item		
43-116250 Ln# 001	BRALCO-LA MIRADA	G041103116R06		

Page 1 of 3

Ship To: BRALCO METALS  
15090 NORTHAM ST  
LA MIRADA, CA 90638

## Item Description

0.05 IN TK (+.0030 -.0030) X 48.0 IN W (+.046875 - .046875) (N) A/T ALCLAD 2024-O COILED SHEET MILL FINISH. AMS-QQ-A-250/5 REV A IS 2010 AMS4461 ASTM209 REV 10 ((NOT MARKED)) LIGHTLY OILED COIL SIZES: ID 20 IN COIL WGT: MIN 5000 LB MAX 10000 LB MAX GROSS SKID WGT: 10500 LB QUAN TOL +/- 40 % CQR 0217051 REV 06 CUST REQ 14-04-01 \*\*\* W/S 14-04-12 \*\*\*

RECERTIFIED TO AMS QQ A 250-5 REV B WITH THE EXCEPTION TO MARKING. CUSTOMER ASSUMES ANY RISK REGARDING HANDLING, STORAGE, OR PROCESSING WHICH MAY HAVE ALTERED PROPERTIES OR PRODUCT FORM FROM THAT AS ORIGINALLY DELIVERED.

Run	Package Ticket	Lot	Weight	Quantity	UOM	Inspector Clock Numbers
1	603625	719711	6087	1	PC	27851 46779

Notes for CQR: 0217051.6

PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF AMS-QQ- A-250/5 ALSO MEETS THE REQUIREMENTS OF QQ-A-250/5P, AMENDMENT 2. PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF QQ-A-250/5P, AMENDMENT 2 ALSO MEETS THE REQUIREMENTS OF AMS-QQ-A-250/5.

CQR: 0217051.6 -Specification Limits

Temp	Dir	UTS	TYS	ELAD
0	Long Transv.	KSI	KSI	PCT
		Max 30.0	14.0	
		Min		12
Temp	Dir	UTS	TYS	ELAD
T42	Long Transv.	KSI	KSI	PCT
		Max 57.0	34.0	
		Min		15

CUSTOMER COPY

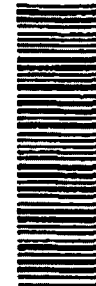
RECERTIFIED  
COPY

2014-04-30 SE

Sold to: UMPCO, Inc PO: 24702 Part: 2024.050X.500 Order No.: 515347

TR clerk signature:

*Danese Fazio*



183453

# CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From:

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties stated on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

For:

*Rob Woodell*

Rob Woodell  
Director of Manufacturing Department Works

*Torrence Thum*

Torrence Thum  
Quality Assurance Manager

1770648

Ship Date

0

B.L. No.

Invoice No.

Alcoa No. Item

2014-03-26

9142303

00000

1000577299-1

DP-77299-01-1

P.O. No./Govt Contract No.

Customer

Alcoa Item

43-116250 L08: 001

BRALCO-LA MIRADA G041103116205

Page 2 of 3

QCR: 0217051.6 -Specification Limits (cont.)

Temp	Dir	UTS	TYS	ELAD
		KSI	KSI	PCT
T62	Long Transv.	Max		
		Min	60.0	47.0

Chemical Composition		SI	FE	CU	MS	MG	CR	ZN	TI	Other	Other
										Each	Total Aluminum
Alloy 2024	Max	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.15
	Min			3.8	0.30	1.2					REMAIN

Chemical Composition		CU	MS	MG	V	ZN	TI	FE+SI	Other
								Each	Aluminum
Alloy 1230	Max	0.10	0.05	0.05	0.05	0.10	0.03	0.70	0.03
Lot: 719711	Min								99.30

- Mechanical, Physical, Metallography, Quantometer Results

Temp	Dir	No. ->	UTS	TYS	ELAD
		Test	KSI	KSI	PCT
0	Long Transv.	2	24.4	10.2	22.7
			24.4	9.9	23

Temp	Dir		UTS	TYS	ELAD
			KSI	KSI	PCT
T42	Long Transv.	2	60.6	35.9	24.5
			60.8	35.9	25.7

Temp	Dir		UTS	TYS	ELAD
			KSI	KSI	PCT
T62	Long Transv.	2	63.1	47.3	13.7
			63	47.1	13.7

CUSTOMER COPY

RECERTIFIED  
COPY

Sold to: UMPCO, Inc PO: 24702 Part: 2024.050X.500 Order No.: 516347

TR clerk signature:

*Daniel T. Wye*



183453

# CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From:

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material and the manufacturing process and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department, no alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Part:

*Rob Woodall*

Rob Woodall  
Director of Manufacturing Davenport Works

*Terrence Thom*

Terrence Thom  
Quality Assurance Manager

1770648 Ship Date	0 B.I. No.	Invoice No.	Alcoa No. Item	
2014-03-26	9142303	00000	1000577299-1	DP-77299-01-1
P.O. No./Govt Contract No.	Customer	Alcoa Item		
43-116250 Lot#: 001	BRALCO-LA MIRADA G041103116R06			

Page 3 of 3

Lot: 719711 - Mechanical, Physical, Metallography, Quantometer Results (cont.) -----  
 Cast Number Chemical - OHS SI FS CS MN MG CR ZN TI  
 B9879054 Actuals 0.07 0.18 4.6 0.63 1.5 0.01 0.09 0.03

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States

CUSTOMER COPY

RECERTIFIED  
COPY

Sold to: UMPCO, Inc PO: 24702 Part: 2024.050X.500 Order No.: 515347  
 TR clerk signature: *Danise Trigo*

Approved UMP 11 6/19/2014 3:08 PM



183453

## Al Mag Heat Treat

## Hardening ~ Annealing ~ Straightening

**DATE: JULY 18 2014**

: UMPCO, INC

**YOUR P.O. CALM14-198**

**CERTIFICATION NO.: 91106**

240	MS21919WDG9 WO#100322
15	MS21122-8 WO#100424
25	MS21122-16 WO#99508
5	NAS1711D15-76T WO#100750
102	S278DT32 WO#100130
2	MS9351-19 WO#100863
2	MS9351-23 WO#100864

R/E 91-93 **CUSTOMER COPY**



**183997**

**Material: 2024-O HEAT TREATED TO 2024-T42 CONDITION**

These parts were heat treated in furnace NO. 6 @ 920 for 35MIN Hrs.

& \_\_\_\_\_ @ \_\_\_\_\_ for Hrs. \_\_\_\_\_

& @ for Hrs.

As per: AMS 2770H  
Al Mag Heat Treat

By \_\_\_\_\_

# Accurate Anodizing Inc.

P.O. Box 5207  
1801 W. El Segundo Blvd  
Compton, CA 90224  
Phone: (310) 637-0349 Fax: (310) 637-6099

Specializing in  
MIL-A-8625 Type II and MIL-DTL-5541  
ISO 9001:2008 CERTIFIED

## Certification/Packing Slip

Date	Invoice #
7/22/2014	64042

Bill To
UMPCO INC. P.O. BOX 5158 GARDEN GROVE, CA 92846-5158

Ship To
UMPCO INC. 7100 LAMPSON AVE. GARDEN GROVE, CA 92645

Ship	P.O. Number	Via	Terms	Due Date
7/22/2014	CACC14-203	OUR DEL.	NET 30	8/21/2014

Quantity	Units	Description	Misc.
240	LBS	Part: MS21919WDG9 Lot/WO: 100322 Containers: 2 Process: Chem-filmed per MIL-DTL-5541F Type 1 Class 1A (Meets and Supersedes MIL-C-5541E Class 1A), Gold  Waste Treatment Surcharge	
		CUSTOMER COPY	



184016

ACCURATE ANODIZING CERTIFIES THAT THESE PARTS WERE PROCESSED IN ACCORDANCE WITH THE PROCESSES OR SPECIFICATIONS LISTED ABOVE. FINISH REQUIREMENTS, THAT ARE NOT REQUIRED TO BE TESTED DIRECTLY, ARE CONTROLLED THROUGH STATISTICAL MEANS AND MONTHLY TESTING; ACCURATE ANODIZING ASSUMES NO RESPONSIBILITY FOR FAILURES RESULTING FROM NORMAL STATISTICAL VARIATION.

Approved by Quality Assurance:

Received By / Date:

07-24-14

C caplugs

## Material Test Results

COMPOUND NUMBER CR700801			PART NUMBER DS1020-10x10G(R17903-01)		
NAME OF LABORATORY HANGZHOU SHERCON RUBBER LAB			PART NAME Cushion, Detail Wedge Style		
SPECIFICATION AMS 3209M, AS 21919 & MIL-C-8603 REV.B			ADDITIONAL INFORMATION LOT#: S14026		
TEST ITEM	TEST METHOD	UNIT	SPECIFICATION	SUPPLIER TEST RESULTS	
Hardness, Shore A	ASTM D2240		70±5	72	x
Tensile Strength	ASTM D412	Mpa	≥11.7	18.60	x
Elongation, Die B or C	ASTM D412	%	≥200	542.00	x
Tensile stress at 100% elongation, Die B or C, Stretch specimen to 125% elongation twice within five minutes before testing	ASTM D412	Mpa	≥1.9	5.9	x
Tear Strength, Die B	ASTM D624,	kN/m	90±18	80	x
Specific gravity	ASTM D297	g/cm <sup>3</sup>	1.39±0.02	1.38	x
Heat resistance, 70 h at 100°C	ASTM D573	points	+10	4	x
Change in hardness, MAX		%	-20	-12.6	x
Change in tensile strength, MAX		%	-50	-20.6	x
Change in ultimate elongation, MAX			No cracking or checking	PASS	x
Bend (flat)					
Immersion in No. 3 Oil, 70 Hours at 100±1°C	ASTM D471	%	-50	-35.4	x
Change in tensile strength, MAX		%	-40	-19.3	x
Change in ultimate elongation, MAX		%	40 to 100	54.2	x
Change in Volume, MAX					
Compression Set(100°Cx70h)	ASTM D395 Method B	%	≤70	36	x
Low Temperature Brittleness	ASTM D2137 Method A		-35°C±1	PASS	x
Ozone resistance, 125±5°F, 600±30pphm, 4h 50 min at elongation of 70±3% Dumbbell shape specimen.075"x1.5"*.075" (specimen conditioned by exposure in dry air at 212 ±5°F for 70)	ASTM D 1149	No Cracking	PASS	PASS	x

Cure date: 04/03/2014



183893

CUSTOMER COPY

APPROVED	PREPARED	DATE
Zhelin.Mo	Moli.Chen	04/15/2014

Approved UMP 11 7/14/2014 9:51 AM

2Q14



**AIRFASCO**  
**INDUSTRIES**  
MANUFACTURER OF AEROSPACE PRODUCTS

2655 HARRISON AVE. SW  
CANTON, OH 44706  
PHONE: (330)430-6190  
FAX: (330)430-6199

**CERTIFICATE OF CONFORMANCE**

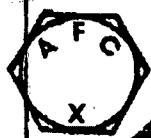
**EAST COAST AVIATION SUPPLIES**

I Hereby Certify that on 09/26/11 Airfasco Industries provided the supplies called for by Contract/ PO Number **59035** in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States. DFAR 252.225-7014 ALT 1 compliant in fastener base raw material melt source only, with heat number and country, does not include the post cadmium metal plating.

  
WM. DENT

Quality Assurance Representative

PART NUMBER	LOT NUMBER	QUANTITY	PART NUMBER	LOT NUMBER	QUANTITY
MS24694-S109	15782	1000	MS24694-S126	15735	1000
MS24694-S124	14280	600	MS24694-S46	14588	20000
MS24694-S47	15806	4330	MS24694-S54	15110	100000
MS24694-S60	16804	26000	MS24694-S61	11072	15000
MS24694-S8	16912	20000	MS24694-S97	15781	10000



**AIRFASCO**  
**INDUSTRIES**  
MANUFACTURER OF AEROSPACE PRODUCTS

2655 HARRISON AVE. SW  
CANTON, OH 44706  
PHONE: (330)430-6190  
FAX: (330)430-6199

**CERTIFICATE OF CONFORMANCE**

**EAST COAST AVIATION SUPPLIES**

I Hereby Certify that on 09/29/11 Airfasco Industries provided the supplies called for by Contract/ PO Number **59046** in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States. DFAR 252.225-7014 ALT 1 compliant in fastener base raw material melt source only, with heat number and country, does not include the post cadmium metal plating.

  
WM. DENT

Quality Assurance Representative

PART NUMBER	LOT NUMBER	QUANTITY	PART NUMBER	LOT NUMBER	QUANTITY
MS24694-S48	16780	100000	MS24694-S49	13413	412900
MS24694-S49	14131	87100	MS24694-S50	17265	20470
MS24694-S50	21309	200500	MS24694-S51	14151	40862
MS24694-S51	17958	56320	MS24694-S55	16940	100000
MS24694-S56	16909	100000	MS24694-S57	14243	320
MS24694-S57	14358	3480	MS24694-S57	14351	43200
MS24694-S58	16444	30000	MS24694-S62	11784	10000



**ANILLO Industries, Inc.**

2090 NORTH GLASSSELL STREET, ORANGE, CA 92865-3391 USA

PLEASE REMIT TO

P.O. BOX 5586 ORANGE, CA 92863-5586 USA

(714) 637-7000 (562) 924-6632 FAX (714) 637-3022 CAGE CODE: 10630

AS9100  
HABCAP CP  
ISO 9001  
CERTIFIED**579925****Packing List &****Certification**

WE ACCEPT

VISA/Master/Discover/AMEX

<b>SOLD TO</b>		<b>3174</b>	<b>SHIP TO</b>		<b>D</b>
EAST COAST AVIATION SUPPLIES ATTN: ACCOUNTS PAYABLE DEPT. 399 EAST DRIVE  MELBOURNE, FL 32904			ECAS WEST 7540 DEAN MARTIN DRIVE 506/507 LAS VEGAS, NV 89139		
DATE ORDER REC'D	ORDER NUMBER	INVOICE DATE	SHIPPED VIA	TERMS	
12/09/2014	10048-NV		UPS GRND 3165E0	1% 10 DAYS NET 30	
ITEM	ORDERED	SHIPPED	DESCRIPTION		NET WEIGHT
1	250,000		AN960-6 REV 21 / LOT#Y3246 / QCR:1,4,6,8,15,30, NAS1149FN632P ECCN: 9A991 Schedule B#: 7318.22.0000 COO: USNLR		
2	250,000		AN960-6L REV 21 / LOT#Y2869 / QCR:1,4,6,8,15,30, NAS1149FN616P ECCN: 9A991 Schedule B#: 7318.22.0000 COO: USNLR		
4	100,000		AN960-8L REV 21 / LOT#Y3407 / QCR:1,4,6,8,15,30, NAS1149FN816P ECCN: 9A991 Schedule B#: 7318.22.0000 COO: USNLR		
5	500,000		AN960-10 REV 21/SA4633/Y3242 / QCR:1,4,6,8,15,30, NAS1149D0363P ECCN: 9A991 Schedule B#: 7318.22.0000 COO: USNLR		
7	250,000		AN960-416 REV 21 / LOT#SA4335 / QCR:1,4,6,8,15,30, NAS1149F0463P ECCN: 9A991 Schedule B#: 7318.22.0000 COO: USNLR		
8	100,000		AN960-516 REV 21 / LOT#Y4656 / QCR:1,4,6,8,15,30, NAS1149F0563P ECCN: 9A991 Schedule B#: 7318.22.0000 COO: USNLR		

We certify that: 1. item number 1,2,4,5,7,8 above is manufactured in accordance with the material and processing specifications of this order.  
2. We certify that the material on this order conforms in all respects to the current applicable government and/or manufacturer's specification. Test reports are on file and are available for examination on all Anillo manufactured parts. All claims for errors or shortages must be made within 10 days after receipt of goods.  
No good to be returned without written authorization. All claims for defective material must filed within 30 days of shipment to receive consideration. We do not assume financial responsibility or liability from the use of products sold, other than the replacement value of the products sold, if claimed within the specified time limit above.

&lt;&lt; R.M.A.# REQUIRED FOR RETURNS &gt;&gt;

&lt;&lt; TO THE BEST OF OUR KNOWLEDGE, PARTS ARE MERCURY FREE &gt;&gt;

**Certification**

STAMP



DATE 12-11-14

DFAR: DOES NOT APPLY

ANILLO IND.

(CageCode: 10630)

Part #: AN960-10

Quantity: 355639

P.O.#: 10048-NV

LOT#: SA4633

ITEM#: 5

Packed By: NB

REV. 21

ANILLO IND.

(CageCode: 10630)

Part #: AN960-10

Quantity: 144361

P.O.#: 10048-NV

LOT#: Y3242

ITEM#: 5

REV. 21

Packed By: NB

BY Ben Omidwar  
Ben Omidwar, Quality Assurance Manager

FI 4.03.05

## CERTIFIED TEST REPORT



### Calstrip Steel Corporation

REGISTERED ISO 9001:2008

7140 Bandini Blvd. \* Los Angeles, CA 90040-3388  
(323)726-1345 \* Fax (323)722-8269



<b>Customer:</b> HIGHTOWER METAL PRODUCTS <b>Address:</b> P.O. BOX 5586 ORANGE, CA 92613-5586	<b>Order Number:</b> S101436 / W132116 <b>Customer PO:</b> 33644 <b>Shipped Date:</b> 10/17/2014 <b>Packlist ID:</b> 177924
<b>Part ID:</b> H280.078-CS <b>Description:</b> 1020 CR .062 X 3.630 X COIL <b>Drawing #:</b> H280.078 <b>Rev #:</b>	<b>Material Spec:</b> CS1020 AMS 5046D, ASTM A568-11, ASTM A109-14, DOMESTIC MATERIAL

HeatID: 080843

### CHEMICAL ANALYSIS

C	Mn	P	S	Si	Ni	Cr	Cu	Mo	Resi
0.1960	0.4470	0.0110	0.0040	0.0090	0.0100	0.0200	0.0110	0.0020	
W	V	Sn	Ti	Al	Ca	Zr	Co	N	B
			0.0010	0.0500				0.0030	

### MECHANICAL AND PHYSICAL PROPERTIES

Yield	Tensile	Elong %	Hardness	Bend Test	Skid Numbers	# of Coils	Weight
41,000	60,300	27.0	HRB 68	OK	W132116-3	3	2,628
					W132116-4	2	1,744
					W132116-5	2	1,736
						7	6,108

Grain Size	Olsen Test	Spher%	Decarb	Reduct %
7				

Comment: SOURCE- POSCO (USA)

Anillo

These test reports apply to:

Part number: AN960-516

Lot number: Y7656

Sign/date: [Signature] 12-11-14

All work on this order has been performed in accordance with the Company's Quality Assurance Manual.

MARIO VARGAS

Technical Services

Form #:

Print Date: 10/17/2014

Page: 1



ANILLO INDUSTRIES, INC.  
2090 North Glassell st.  
Orange, CA. 92865-3391  
(714) 637-9110

*This is to certify that the below listed parts were processed per the applicable specification listed below.*

*Test reports and procedures governing this process are on file and subject to examination.*

*All parts are inspected for plating thickness by use of a X-ray. All instruments are currently calibrated and subject to examination.*

## **CADMIUM PLATE AMS-QQ-P-416**

Type	Class	Thickness	Revision
II	2	.000420	C

Job Number: **Y4656**

P/N REV.: **5**

Quantity: **252,730**

Visual: **Y**

Part Number: **NAS1149 F 0563 P**

Adhesion: **N**

Description:

*AN960-516*

Date: **12/05/14**

Authorized by: *MARIBEL CUEVAS*

Stamp:



FORM # 4.09.117 REV A 05/19/09